

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A positive electrode material for a lithium secondary battery, which is a composite oxide powder having a total composition represented by

$\text{Li}_a\text{Ni}_b\text{Co}_c\text{Ba}_d\text{Al}_e\text{O}_x$ ~~where~~ where:

$$a/(b+c): 1.0 \text{ to } 1.2$$

$$b/(b+c): 0.5 \text{ to } 0.95$$

$$c/(b+c): 0.05 \text{ to } 0.5$$

$$d/(b+c): 0.0005 \text{ to } 0.01$$

$$e/(b+c): 0.01 \text{ to } 0.1$$

$$b+c = 1$$

~~x: not specified~~

$$\underline{x} > 0.$$

2. (Original) The positive electrode material for a lithium secondary battery according to claim 1, wherein an amorphous phase of an oxide is dispersed within a particle of the composite oxide powder.

3. (Currently Amended) The positive electrode material for a lithium secondary battery according to claim 1, wherein ~~the~~ an amorphous phase of the oxide is formed on a surface portion of a particle of the composite oxide powder.

4. (Currently Amended) The positive electrode material for a lithium secondary battery according to claim 1, wherein ~~the~~ an amorphous phase of the oxide is dispersed within a particle of the composite oxide powder and is also formed at a surface of the particle.

5. (Currently Amended) The positive electrode material for a lithium secondary battery according to ~~any~~ claim 2 wherein a constituent component of the amorphous phase of

the oxide is an oxide of one or a plurality of elements selected from the group consisting of Li, Ba, and Al.

6. (Withdrawn-Currently Amended) The positive electrode material for a lithium secondary battery, which is a composite oxide having a total composition represented by $\text{Li}_a\text{Ni}_b\text{Co}_c\text{Ba}_d\text{Al}_e\text{M}_f\text{O}_x$ —where where:

M: one or a plurality of elements selected from the group consisting of Na, K, Si, B, and P,

$$a/(b+c): 1.0 \text{ to } 1.2$$

$$b/(b+c): 0.5 \text{ to } 0.95$$

$$c/(b+c): 0.05 \text{ to } 0.5$$

$$d/(b+c): 0.0005 \text{ to } 0.01$$

$$e/(b+c): 0.01 \text{ to } 0.1$$

$$f/(b+c): 0.01 \text{ or less (not inclusive of } 0)$$

$$b+c = 1$$

~~x: not specified~~

$$\underline{x > 0.}$$

7. (Withdrawn) The positive electrode material for a lithium secondary battery according to claim 6, wherein the composite oxide is a powder, a particle of which has an amorphous phase of an oxide dispersed within the particle.

8. (Withdrawn) The positive electrode material for a lithium secondary battery according to claim 6, wherein the composite oxide is a powder, a particle of which has an amorphous phase of an oxide on a surface of the particle.

9. (Withdrawn) The positive electrode material for a lithium secondary battery according to claim 6, wherein the composite oxide is a powder, a particle of which has an amorphous phase of an oxide dispersed within the particle and also formed on a surface of the

particle.

10. (Withdrawn) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

adding Ba and Al raw materials to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture; and

firing the mixture.

11. (Withdrawn) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

adding Ba and Al raw materials and a raw material for forming an amorphous phase of an oxide to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture; and

firing the mixture.

12. (Withdrawn) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

adding Ba and Al raw materials to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture;

firing the mixture;

further mixing a raw material for forming an amorphous phase of an oxide in the fired mixture, whereby consequently obtaining a further mixture; and

re-firing the further mixture.

13. (Withdrawn-Currently Amended) A method for producing a positive electrode material for a lithium secondary battery, the method comprising:

adding Ba and Al raw materials and a raw material for forming an amorphous phase of an oxide to a Li-Ni-Co-O system raw material, whereby consequently obtaining a mixture;

firing the mixture;

further mixing a raw material for forming an amorphous phase of an oxide in the fired mixture, whereby consequently obtaining a further mixture ~~and~~; and

re-firing the further mixture.

14. (Previously Presented) A lithium secondary battery comprising a positive electrode composed of the positive electrode material for a lithium secondary battery as recited in claim 1.